

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/782,759	02/23/2004	Hirotaka Todaka	02886.0088	7642
22852	7590 01/03/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			TOLAN, EDWARD THOMAS	
LLP 901 NEW YORK AVENUE, NW			ART UNIT	PAPER NUMBER
	ON, DC 20001-4413		3725	

DATE MAILED: 01/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			SP
	Application No.	Applicant(s)	
	10/782,759	TODAKA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Edward Tolan	3725	
- The MAILING DATE of this communication ap	pears on the cover sheet	with the correspondence ad	dress -
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPL	LY IS SET TO EXPIRE <u>3</u>	MONTH(S) OR THIRTY (3	0) DAYS,
 WHICHEVER IS LONGER, FROM THE MAILING I Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statuly Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). 	DATE OF THIS COMMUL .136(a). In no event, however, may d will apply and will expire SIX (6) No te, cause the application to become	NICATION. y a reply be timely filed !ONTHS from the mailing date of this ∞ ! ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 17 (October 2005.		
2a)⊠ This action is FINAL . 2b)□ Thi	is action is non-final.		
3) Since this application is in condition for allowated closed in accordance with the practice under	·		merits is
Disposition of Claims			
4) Claim(s) 1-12 is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra			
5)⊠ Claim(s) <u>1-11</u> is/are allowed.			
6)⊠ Claim(s) <u>12</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examin	er.		
10) The drawing(s) filed on is/are: a) ac		to by the Examiner.	
Applicant may not request that any objection to the	e drawing(s) be held in abey	yance. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	ction is required if the drawi	ng(s) is objected to. See 37 CF	FR 1.121(d).
11) The oath or declaration is objected to by the E	xaminer. Note the attach	ned Office Action or form PT	O-152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C	;. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:	•		
1. Certified copies of the priority documen	nts have been received.		
2. Certified copies of the priority documen		Application No	
3. Copies of the certified copies of the price	ority documents have be	en received in this National	Stage
application from the International Burea	au (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a lis	t of the certified copies n	ot received.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) Intervie	w Summary (PTO-413)	
?) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper N	lo(s)/Mail Date) 152\
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	3) 5) ☐ Notice of 6) ☐ Other: _	of Informal Patent Application (PTC	r-132j

Art Unit: 3725

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Nishiguchi et al. (JP 63-235037). Nishiguchi discloses rotary front and rear dies (1,3) which press a metal material (3) in figure 2.

Allowable Subject Matter

Claims 1 and 3-11 are allowed. Based upon Applicant's Amendments to claims 1 and 11 filed 10-17-2005 the claims are deemed allowable. The prior art of record does not disclose; in a method comprising first and second press steps for generating strain in a metal material with the first step forming front and rear convex-concave surfaces and the second step forming front and rear plane surfaces, wherein the second press step gives the metal a static hydraulic pressure and shear force with a front and rear punch rotating oppositely to one another.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Application/Control Number: 10/782,759 Page 3

Art Unit: 3725

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Ed Tolan whose telephone number is 571-272-4525. FAX communications should be sent to 571-273-8300.

PRIMARY EXAMINER